CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Regular) - November- 2024
CLOUD COMPUTING
(CSD,AI&DS)

[Time: 3 Hours]   [Max. Marks: 70]

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A   (20 Marks)

1. a) How does distributed computing differ from parallel computing?   [2M]
   b) What is a computing cluster?   [2M]
   c) What are some common needs that cloud computing addresses for businesses?   [2M]
   d) What are the main principles of cloud computing?   [2M]
   e) Define network connectivity in the context of cloud computing   [2M]
   f) List some types of applications commonly hosted on the cloud   [2M]
   g) Define Platform as a Service (PaaS).   [2M]
   h) List three characteristics of IaaS.   [2M]
   i) What is Google Cloud Connect?   [2M]
   j) What is Amazon simple Queue Service?   [2M]

PART-B   (50 Marks)

2. Describe the potential role of mobile computing in the future.   [10M]
                                    OR
3. Analyze the similarities and differences between grid and the cluster computing.   [10M]

4. Dicuss about cloud computing is a service and cloud computing is a platform.   [10M]
                                    OR
5. Enlist and explain the requirements that need to be considered for cloud services.   [10M]

6. Describe several approaches of cloud migration.   [10M]
                                    OR
7. Explain the characteristics of Cloud Computing.   [10M]

8. Explain different types of Cloud deployment models.   [10M]
                                    OR
9. Explain the suitability of different cloud service models.   [10M]

10. Analyze the various support services offered by Amazon Web Services (AWS) and explain [10M]
    how they cater to different customer needs and enhance cloud performance.
                                    OR
11. Explain the services provided by IBM Smart Cloud.   [10M]

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